installation instructions

HP StorageWorks C-FCSWAPI SDK Bridge Agent

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First Edition (September 2004)

Part Number: AA–RVJ1A–TE/958–000405–000

This document provides instructions for installing and removing the HP StorageWorks C-FCSWAPI SDK Bridge Agent (C-FCSWAPI Bridge Agent).

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about this guide

These instructions provide information to help you:

- Install the C-FCSWAPI Bridge Agent software on a Microsoft Windows OS.
- Remove the C-FCSWAPI Bridge Agent.

“about this guide” topics include:

- Overview, page 6
- Conventions, page 7
- Rack stability, page 9
- Getting help, page 10

Overview

This section covers the following topics:

- Intended audience
- Related documentation

Intended audience

This book is intended for use by administrators who are experienced with the following:

- Fibre Channel technology
- HP StorageWorks Fibre Channel switches

Related documentation

For a list of corresponding documentation, see the *HP StorageWorks HA-Fabric Manager release notes*.

The latest information, documentation, and firmware is available on the following HP web site: http://h18006.www1.hp.com/storage/saninfrastructure.html.

Information about Fibre Channel standards is available on the following Fibre Channel Industry Association web site: http://www.fibrechannel.org.

Conventions

Conventions consist of the following:

- Document conventions
- Text symbols
- Equipment symbols

Document conventions

This document follows the conventions in Table 1.

Table 1: Document conventions

Convention	Element
Blue text: Figure 1	Cross-reference links
Bold	Menu items, buttons, keys, tabs, and user input in a graphical interface. (Use plain text for all other GUI elements.)
Italics	Text emphasis and document titles (not CD titles) in body text
`Monospace font`	Command-line user input, commands, code, device instances, file and directory names, and system responses (output and messages)
`Monospace, italic font`	Command-line and code variables
Blue underlined sans serif font text (http://www.hp.com)	Web site addresses

Text symbols

The following symbols may be found in the text of this guide. They have the following meanings:

WARNING: Text set off in this manner indicates that failure to follow directions in the warning could result in bodily harm or death.

Caution: Text set off in this manner indicates that failure to follow directions could result in damage to equipment or data.

Tip: Text in a tip provides additional help to readers by providing nonessential or optional techniques, procedures, or shortcuts.

Note: Text set off in this manner presents commentary, sidelights, or interesting points of information.

Equipment symbols

The following equipment symbols may be found on hardware for which this guide pertains. They have the following meanings:

Any enclosed surface or area of the equipment marked with these symbols indicates the presence of electrical shock hazards. Enclosed area contains no operator serviceable parts.

WARNING: To reduce the risk of personal injury from electrical shock hazards, do not open this enclosure.

Any RJ-45 receptacle marked with these symbols indicates a network interface connection.

WARNING: To reduce the risk of electrical shock, fire, or damage to the equipment, do not plug telephone or telecommunications connectors into this receptacle.

Any surface or area of the equipment marked with these symbols indicates the presence of a hot surface or hot component. Contact with this surface could result in injury.

WARNING: To reduce the risk of personal injury from a hot component, allow the surface to cool before touching.

Power supplies or systems marked with these symbols indicate the presence of multiple sources of power.

WARNING: To reduce the risk of personal injury from electrical shock, remove all power cords to completely disconnect power from the power supplies and systems.

Any product or assembly marked with these symbols indicates that the component exceeds the recommended weight for one individual to handle safely.

WARNING: To reduce the risk of personal injury or damage to the equipment, observe local occupational health and safety requirements and guidelines for manually handling material.

Rack stability

Rack stability protects personnel and equipment.

WARNING: To reduce the risk of personal injury or damage to the equipment, be sure that:

- The leveling jacks are extended to the floor.
- The full weight of the rack rests on the leveling jacks.
- In single rack installations, the stabilizing feet are attached to the rack.
- In multiple rack installations, the racks are coupled.
- Only one rack component is extended at any time. A rack may become unstable if more than one rack component is extended for any reason.

Getting help

If you still have a question after reading this guide, contact an HP authorized service provider or access the following HP web site: http://www.hp.com.

HP technical support

Telephone numbers for worldwide technical support are listed on the following HP web site: http://www.hp.com/support/. From this web site, select the country of origin.

Note: For continuous quality improvement, calls may be recorded or monitored.

Be sure to have the following information available before calling:

- Technical support registration number (if applicable)
- Product serial numbers
- Product model names and numbers
- Applicable error messages
- Operating system type and revision level
- Detailed, specific questions

HP storage web site

The HP web site has the latest information and drivers on this product. Access the following HP web site: http://www.hp.com/country/us/eng/prodserv/storage.html. From this web site, select the appropriate product or solution.

HP authorized reseller

For the name of your nearest HP authorized reseller:

- In the United States, call 1-800-345-1518
- In Canada, call 1-800-263-5868
- Elsewhere, see the following HP web site for locations and telephone numbers: http://www.hp.com.

Installation instructions

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This document provides instructions for installing and uninstalling the Bridge Agent used by the C-FCSWAPI Software Development Kit (SDK). These instructions pertain only to the Microsoft Windows operating systems. This chapter contains the following sections:

- C-FCSWAPI Bridge Agent overview, page 12
- Installing the C-FCSWAPI Bridge Agent, page 12
- Removing the C-FCSWAPI Bridge Agent, page 12

C-FCSWAPI Bridge Agent overview

The C-based Fibre Channel switch application programming interface (C-FCSWAPI) is a library of switch-management functions callable from an application program written in C or C++. C-FCSWAPI enables software to communicate with switches, instead of requiring a user to interact manually with a graphical user interface (GUI) or command line interface (CLI).

C-FCSWAPI proxy connections route data from the C-FCSWAPI library to the C-FCSWAPI Bridge Agent and then from the C-FCSWAPI Bridge Agent to HAFM. To support this connection type, the C-FCSWAPI Bridge Agent must be installed on the HAFM appliance where HAFM is installed.

Installing the C-FCSWAPI Bridge Agent

Note: Only one Bridge Agent can function on a system. Before installing the C-FCSWAPI Bridge Agent, remove any Bridge Agent that exists on the system.

To install the C-FCSWAPI Bridge Agent, use the following procedure:

1. Insert the installation CD into the CD-ROM drive.
2. Double-click the `/Open Bridge Agent Installer/BridgeAgentInstall.exe` file.

   The installer program opens and guides you through the installation process.
3. Click **Next** at the Introduction window. The Important Information window is displayed.
4. Click **Install**.

   The installer starts the Bridge Agent and portmap as system services.

Removing the C-FCSWAPI Bridge Agent

To remove the Bridge Agent for Windows, perform the following procedure:

1. Click **Start > Settings > Control Panel**. The Control Panel window is displayed.
2. Double-click **Add/Remove Programs**. The Add/Remove Programs window is displayed.
3. Select the Bridge Agent program and click **Change/Remove**.